

American Journal of Physiology: Lung Cellular and Molecular Physiology

No. 1. JANUARY 1999

- Effects of endogenous and exogenous catecholamines on LPS-induced neutrophil trafficking and activation
E. Abraham, D. J. Kaneko, and R. Shenkar L1
- Differential monocyte adhesion and adhesion molecule expression in venous and arterial endothelial cells
T. J. Kalogeris, C. G. Kevil, F. S. Laroux, L. L. Coe, T. J. Phifer, and J. S. Alexander L9
- Isoproterenol increases Na⁺-K⁺-ATPase activity by membrane insertion of α -subunits in lung alveolar cells
A. M. Bertorello, K. M. Ridge, A. V. Chibalin, A. I. Katz, and J. I. Sznajder L20
- Neutrophil elastase and elastase-rich cystic fibrosis sputum degranulate human eosinophils in vitro
H. Liu, S. C. Lazarus, G. H. Caughey, and J. V. Fahy L28
- cGMP modulation of Ca²⁺ sensitivity in airway smooth muscle
K. A. Jones, G. Y. Wong, C. J. Jankowski, M. Akao, and D. O. Warner L35
- Segmental regulation of pulmonary vascular permeability by store-operated Ca²⁺ entry
P. M. Chetham, P. Babál, J. P. Bridges, T. M. Moore, and T. Stevens L41
- Mechanism for substance P-induced relaxation of precontracted airway smooth muscle during development
M. J. Mhanna, I. A. Dreshaj, M. A. Haxhiu, and R. J. Martin L51
- Roles for C-X-C chemokines and C5a in lung injury after hindlimb ischemia-reperfusion
N. M. Bless, R. L. Warner, V. A. Padgaonkar, A. B. Lentsch, B. J. Czermak, H. Schmal, H. P. Friedl, and P. A. Ward L57
- Effect of oxygen on lung superoxide dismutase activities in premature baboons with bronchopulmonary dysplasia
R. L. Morton, K. C. Das, X.-L. Guo, D. N. Iklé, and C. W. White L64
- Ion transport in epithelial spheroids derived from human airway cells
P. S. Pedersen, O. Frederiksen, N.-H. Holstein-Rathlou, P. L. Larsen, and K. Qvortrup L75
- Effect of halothane on intracellular calcium oscillations in porcine tracheal smooth muscle cells
C. M. Pabelick, Y. S. Prakash, M. S. Kannan, K. A. Jones, D. O. Warner, and G. C. Sieck L81
- Evidence for a role of protein kinase C in hypoxic pulmonary vasoconstriction
N. Weissmann, R. Voswinckel, T. Hardebusch, S. Rosseau, H. A. Ghofrani, R. Schermuly, W. Seeger, and F. Grimminger L90
- Potential identification of the O₂-sensitive K⁺ current in a human neuroepithelial body-derived cell line
I. O'Kelly, R. H. Stephens, C. Peers, and P. J. Kemp L96
- Hyperoxia increases keratinocyte growth factor mRNA expression in neonatal rabbit lung
L. Charafeddine, C. T. D'Angio, J. L. Richards, B. R. Stripp, J. N. Finkelstein, C. C. Orłowski, M. B. LoMonaco, A. Paxhia, and R. M. Ryan L105
- Lung type II cell and macrophage annexin I release: differential effects of two glucocorticoids
S. E. Hall, S. Lim, I. R. Witherden, T. D. Tetley, P. J. Barnes, A. M. Kamal, and S. F. Smith L114
- Unaltered vasoconstrictor responsiveness after iNOS inhibition in lungs from chronically hypoxic rats
T. C. Resta, T. L. O'Donoghue, S. Earley, L. G. Chicoine, and B. R. Walker L122
- Recombinant SP-D carbohydrate recognition domain is a chemoattractant for human neutrophils
G.-Z. Cai, G. L. Griffin, R. M. Senior, W. J. Longmore, and M. A. Moxley L131

- Ischemia-reperfusion lung injury in rabbits: mechanisms of injury and protection
T. Sakuma, K. Takahashi, N. Ohya, O. Kajikawa, T. R. Martin,
K. H. Albertine, and M. A. Matthay L137
- Pulmonary intravascular macrophages: their contribution to the mononuclear
phagocyte system in 13 species
J. D. Brain, R. M. Molina, M. M. DeCamp, and A. E. Warner L146
- Mediators of alkalosis-induced relaxation in pulmonary arteries from normoxic
and chronically hypoxic piglets
J. B. Gordon, T. R. Halla, C. D. Fike, and J. A. Madden L155
- Surfactant proteins A and D specifically stimulate directed actin-based responses
in alveolar macrophages
M. J. Tino and J. R. Wright L164
- Dexamethasone regulation of lung epithelial cell and fibroblast
interleukin-11 production
J. Wang, Z. Zhu, R. Nolfo, and J. A. Elias L175
- Pulmonary surfactant inhibits LPS-induced nitric oxide production by alveolar
macrophages
P. R. Miles, L. Bowman, K. M. K. Rao, J. E. Baatz, and L. Huffman L186
- Divergent differentiation paths in airway smooth muscle culture: induction
of functionally contractile myocytes
A. J. Halayko, B. Camoretti-Mercado, S. M. Forsythe, J. E. Vieira,
R. W. Mitchell, M. E. Wylam, M. B. Hershenson, and J. Solway L197

SPECIAL COMMUNICATION

- Time domain reflectometry: measurement of free water in normal lung
and pulmonary edema
N. Miura, S. Shioya, D. Kurita, T. Shigematsu, and S. Mashimo L207

No. 2. FEBRUARY 1999

- Effects of fluoxetine, phentermine, and venlafaxine on pulmonary arterial pressure
and electrophysiology
H. L. Reeve, D. P. Nelson, S. L. Archer, and E. K. Weir L213
- K⁺-channel blockade inhibits shear stress-induced pulmonary vasodilation
in the ovine fetus
L. Storme, R. L. Rairigh, T. A. Parker, D. N. Cornfield, J. P. Kinsella,
and S. H. Abman L220
- NK₁-receptor activation prevents hydrocarbon-induced lung injury in mice
R. F. Robledo and M. L. Witten L229
- Alterations in lung expansion affect surfactant protein A, B, and C mRNA levels
in fetal sheep
A. Lines, L. Nardo, I. D. Phillips, F. Possmayer, and S. B. Hooper L239
- EGF activates ErbB-2 and stimulates phosphatidylinositol 3-kinase in human airway
smooth muscle cells
V. P. Krymskaya, R. Hoffman, A. Eszterhas, S. Kane, V. Ciocca,
and R. A. Panettieri, Jr. L246
- Production of interferon- γ by lung lymphocytes in HIV-infected individuals
H. L. Twigg III, B. A. Spain, D. M. Soliman, K. Knox, R. A. Sidner,
C. Schnitzlein-Bick, D. S. Wilkes, and G. K. Iwamoto L256
- Nitric oxide participates in early events associated with NNMU-induced acute lung
injury in rats
W. S. Cruz, J. A. Corbett, W. J. Longmore, and M. A. Moxley L263
- Role of neutrophils and α_1 -antitrypsin in coal- and silica-induced connective
tissue breakdown
K. Zay, S. Loo, C. Xie, D. V. Devine, J. Wright, and A. Churg L269
- Airway synthesis of 20-hydroxyeicosatetraenoic acid: metabolism by cyclooxygenase
to a bronchodilator
E. R. Jacobs, R. M. Effros, J. R. Falck, K. M. Reddy, W. B. Campbell,
and D. Zhu L280

- Determination of low-molecular-mass antioxidant concentrations in human respiratory tract lining fluids
A. van der Vliet, C. A. O'Neill, C. E. Cross, J. M. Koostra, W. G. Volz, B. Halliwell, and S. Louie L289
- Variable expression of endothelial NO synthase in three forms of rat pulmonary hypertension
R. C. Tyler, M. Muramatsu, S. H. Abman, T. J. Stelzner, D. M. Rodman, K. D. Bloch, and I. F. McMurtry L297
- Endothelin-1 is elevated in monocrotaline pulmonary hypertension
H. F. Frasch, C. Marshall, and B. E. Marshall L304
- Pirfenidone inhibits PDGF isoforms in bleomycin hamster model of lung fibrosis at the translational level
G. Gurujeyalakshmi, M. A. Hollinger, and S. N. Giri L311
- Identification of glucocorticoid-responsive elements that control transcription of rat glutamine synthetase
S. Chandrasekhar, W. W. Souba, and S. F. Abcouwer L319
- O₃-induced inflammation in prepregnant, pregnant, and lactating rats correlates with O₃ dose estimated by ¹⁸O
A. F. Gunnison and G. E. Hatch L332
- Proline in vasoactive peptides: consequences for peptide hydrolysis in the lung
M. P. Merker, S. H. Audi, B. M. Brantmeier, K. Nithipatikom, R. S. Goldman, D. L. Roerig, and C. A. Dawson L341
- Effect of azelastine on platelet-activating factor-induced microvascular leakage in rat airways
J. Tamaoki, I. Yamawaki, E. Tagaya, M. Kondo, K. Aoshiba, J. Nakata, and A. Nagai L351
- Chronic hypoxia augments endothelin-B receptor-mediated vasodilation in isolated perfused rat lungs
M. Muramatsu, M. Oka, Y. Morio, S. Soma, H. Takahashi, and Y. Fukuchi L358
- EMAP II: a modulator of neovascularization in the developing lung
M. Schwarz, M. Lee, F. Zhang, J. Zhao, Y. Jin, S. Smith, J. Bhuva, D. Stern, D. Warburton, and V. Starnes L365
- Exocytosis in alveolar type II cells revealed by cell capacitance and fluorescence measurements
N. Mair, T. Haller, and P. Dietl L376
- Nitric oxide synthase isoform expression in the developing lung epithelium
T. S. Sherman, Z. Chen, I. S. Yuhanna, K. S. Lau, L. R. Margraf, and P. W. Shaul L383

No. 3. MARCH 1999

- Effects and interactions of opioids on plasma exudation induced by cigarette smoke in guinea pig bronchi
Y.-H. Lei and D. F. Rogers L391
- Inhibition of hSP-B promoter in respiratory epithelial cells by a dominant negative retinoic acid receptor
M. Ghaffari, J. A. Whitsett, and C. Yan L398
- TNF- α upregulates G_i α and G_q α protein expression and function in human airway smooth muscle cells
K. Hotta, C. W. Emala, and C. A. Hirshman L405
- Modulation of human airway smooth muscle proliferation by type 3 phosphodiesterase inhibition
C. K. Billington, S. K. Joseph, C. Swan, M. G. H. Scott, T. M. Jobson, and I. P. Hall L412
- Facilitatory β_2 -adrenoceptors on cholinergic and adrenergic nerve endings of the guinea pig trachea
J. R. A. de Haas, J. S. Terpstra, M. Van Der Zwaag, P. G. E. Kockelbergh, A. F. Roffel, and J. Zaagsma L420

| | |
|--|------|
| Critical role of glass fiber length in TNF- α production and transcription factor activation in macrophages <i>J. Ye, X. Shi, W. Jones, Y. Rojanasakul, N. Cheng, D. Schwegler-Berry, P. Baron, G. J. Deye, C. Li, and V. Castranova</i> | L426 |
| S-nitrosoglutathione enhances neutrophil DNA fragmentation and cell death <i>J. D. Fortenberry, M. L. Owens, and L. A. S. Brown</i> | L435 |
| Protective effects of transient HO-1 overexpression on susceptibility to oxygen toxicity in lung cells <i>D. M. Suttner, K. Sridhar, C. S. Lee, T. Tomura, T. N. Hansen, and P. A. Dennery</i> | L443 |
| Localization of a candidate surfactant convertase to type II cells, macrophages, and surfactant subfractions <i>H. Clark, L. Allen, E. Collins, F. Barr, L. Dobbs, G. Putz, J. Goerke, and S. Hawgood</i> | L452 |
| Changes in surfactant-associated protein mRNA profile in growth-restricted fetal sheep <i>R. Gagnon, J. Langridge, K. Inchley, J. Murotsuki, and F. Possmayer</i> | L459 |
| Nitric oxide-mediated regulation of transepithelial sodium and chloride transport in murine nasal epithelium <i>H. L. Elmer, K. G. Brady, M. L. Drumm, and T. J. Kelley</i> | L466 |
| β_2 -Adrenoceptor agonists reduce the decline of rat diaphragm twitch force during severe hypoxia <i>H. F. M. van der Heijden, L. M. A. Heunks, H. Folgering, C. L. A. van Herwaarden, and P. N. R. Dekhuijzen</i> | L474 |
| TNF- α increases ceramide without inducing apoptosis in alveolar type II epithelial cells <i>R. K. Mallampalli, E. J. Peterson, A. B. Carter, R. G. Salome, S. N. Mathur, and G. A. Koretzky</i> | L481 |
| Surfactant function and composition after free radical exposure generated by transition metals <i>L. Mark and E. P. Ingenito</i> | L491 |
| Expression of heat shock protein 72 by alveolar macrophages in hypersensitivity pneumonitis <i>C. Racine, E. Israël-Assayag, and Y. Cormier</i> | L501 |
| Protein kinase C isoforms in human airway smooth muscle cells: activation of PKC- ζ during proliferation <i>S. Carlin, K. X. F. Yang, R. Donnelly, and J. L. Black</i> | L506 |
| Inducible NO synthase inhibition attenuates shear stress-induced pulmonary vasodilation in the ovine fetus <i>R. L. Rairigh, L. Storme, T. A. Parker, T. D. Le Cras, J. P. Kinsella, M. Jakkula, and S. H. Abman</i> | L513 |
| Mediators of anaphylaxis but not activated neutrophils augment cholinergic responses of equine small airways <i>M. A. Olszewski, N. E. Robinson, F.-X. Zhu, X.-Y. Zhang, and P. K. Tithof</i> | L522 |
| Induction of thioredoxin and thioredoxin reductase gene expression in lungs of newborn primates by oxygen <i>K. C. Das, X.-L. Guo, and C. W. White</i> | L530 |
| Surfactant protein A enhances the binding and deacylation of <i>E. coli</i> LPS by alveolar macrophages <i>C. Stamme and J. R. Wright</i> | L540 |

No. 4. APRIL 1999

| | |
|---|------|
| Regulation of human airway mucins by acrolein and inflammatory mediators <i>M. T. Borchers, M. P. Carty, and G. D. Leikauf</i> | L549 |
| Aerosolized GM-CSF ameliorates pulmonary alveolar proteinosis in GM-CSF-deficient mice <i>J. A. Reed, M. Ikegami, E. R. Cianciolo, W. Lu, P. S. Cho, W. Hull, A. H. Jobe, and J. A. Whitsett</i> | L556 |
| G β but not G α is linked to activation of p21 ^{ras} in human airway smooth muscle cells <i>C. W. Emala, F. Liu, and C. A. Hirshman</i> | L564 |

| | |
|--|------|
| Hypoxia inhibits increased ET _B receptor-mediated NO synthesis in hypertensive rat lungs <i>K. Sato, D. M. Rodman, and I. F. McMurtry</i> | L571 |
| Rearrangement of adherens junctions by transforming growth factor- β 1: role of contraction <i>V. Hurst IV, P. L. Goldberg, F. L. Minnear, R. L. Heimark, and P. A. Vincent</i> | L582 |
| Regulation of 15-lipoxygenase expression and mucus secretion by IL-4 in human bronchial epithelial cells <i>S. P. Jayawickreme, T. Gray, P. Nettesheim, and T. Eling</i> | L596 |
| Diesel exhaust particles are taken up by human airway epithelial cells in vitro and alter cytokine production <i>S. Boland, A. Baeza-Squiban, T. Fournier, O. Houcine, M.-C. Gendron, M. Ch  vrier, G. Jouvenot, A. Coste, M. Aubier, and F. Marano</i> | L604 |
| Perinatal regulation of the ClC-2 chloride channel in lung is mediated by Sp1 and Sp3 <i>S. Chu, C. J. Blaisdell, M.-Z. M. Liu, and P. L. Zeitlin</i> | L614 |
| Inhibition of factor XIIIa-mediated incorporation of fibronectin into fibrin by pulmonary surfactant <i>A. Elssner, G. Mazur, and C. Vogelmeier</i> | L625 |
| Filaments of surfactant protein A specifically interact with corrugated surfaces of phospholipid membranes <i>N. Palaniyar, R. A. Ridsdale, S. A. Hearn, Y. M. Heng, F. P. Ottensmeyer, F. Possmayer, and G. Haraux</i> | L631 |
| Formation of membrane lattice structures and their specific interactions with surfactant protein A <i>N. Palaniyar, R. A. Ridsdale, S. A. Hearn, F. Possmayer, and G. Haraux</i> | L642 |
| Effects of endotoxin on surfactant protein A and D stimulation of NO production by alveolar macrophages <i>J. R. Wright, D. F. Zlogar, J. C. Taylor, T. M. Zlogar, and C. I. Restrepo</i> | L650 |
| Characterization of the internalization pathways for the cystic fibrosis transmembrane conductance regulator <i>N. A. Bradbury, J. A. Clark, S. C. Watkins, C. C. Widnell, H. S. Smith IV, and R. J. Bridges</i> | L659 |
| PKC role in mechanically induced Ca ²⁺ waves and ATP-induced Ca ²⁺ oscillations in airway epithelial cells <i>M. L. Woodruff, V. V. Chaban, C. M. Worley, and E. R. Dirksen</i> | L669 |
| Abrogation of cyclin D1 expression predisposes lung cancer cells to serum deprivation-induced apoptosis <i>B. Driscoll, S. Buckley, L. Barsky, K. Weinberg, K. D. Anderson, and D. Warburton</i> | L679 |

RAPID COMMUNICATION

| | |
|---|------|
| Carbon monoxide provides protection against hyperoxic lung injury <i>L. E. Otterbein, L. L. Mantell, and A. M. K. Choi</i> | L688 |
|---|------|

No. 5. MAY 1999

EDITORIAL

| | |
|--|------|
| NHLBI Workshop: molecular embryology of the lung <i>D. E. Rannels</i> | L695 |
|--|------|

INVITED REVIEW

| | |
|---|------|
| Molecular embryology of the lung: then, now, and in the future <i>D. Warburton, J. Zhao, M. A. Berberich, and M. Bernfield</i> | L697 |
|---|------|

| | |
|--|------|
| Regulation of lung manganese superoxide dismutase: species variation in response to lipopolysaccharide <i>G. Dirami, D. Massaro, and L. B. Clerch</i> | L705 |
|--|------|

- Antigen-induced hyperreactivity to histamine: role of the vagus nerves and eosinophils
R. W. Costello, C. M. Evans, B. L. Yost, K. E. Belmonte, G. J. Gleich,
D. B. Jacoby, and A. D. Fryer L709
- Role of the type 1 TNF receptor in lung inflammation after inhalation of endotoxin
or *Pseudomonas aeruginosa*
S. J. Skerrett, T. R. Martin, E. Y. Chi, J. J. Peschon, K. M. Mohler,
and C. B. Wilson L715
- Differential regulation of extracellular matrix molecules by mechanical strain of fetal
lung cells
J. Xu, M. Liu, and M. Post L728
- Cytokine gene expression after inhalation of corn dust
C. L. Wohlford-Lenane, D. C. Deetz, and D. A. Schwartz L736
- Superficial buffer barrier and preferentially directed release of Ca^{2+} in canine airway
smooth muscle
L. J. Janssen, P. A. Betti, S. J. Netherton, and D. K. Walters L744
- Matrix metalloproteinase gelatinases in sulfur mustard-induced acute airway injury
in guinea pigs
J.-H. Calvet, E. Planus, P. Rouet, S. Pezet, M. Levame, C. Lafuma, A. Harf,
and M.-P. d'Ortho L754
- Effects of eosinophil granule major basic protein on phosphatidylcholine secretion in rat
type II pneumocytes
M. Okumura, H. Kai, S. Shinozawa, Y. Isohama, and T. Miyata L763
- Modulation of ACh release from airway cholinergic nerves in horses with recurrent
airway obstruction
X.-Y. Zhang, N. E. Robinson, and F.-X. Zhu L769
- Effects of lisofylline on hyperoxia-induced lung injury
C. L. S. George, G. Fantuzzi, S. Bursten, L. Leer, and E. Abraham L776
- Cyclosporin A protects lung function from hyperoxic damage
E. Matthew, R. Pun, M. Simonich, H. Iwamoto, and J. Dedman L786
- Effect of immune response on gene transfer to the lung via systemic administration
of cationic lipidic vectors
S. Li, S.-P. Wu, M. Whitmore, E. J. Loeffert, L. Wang, S. C. Watkins, B. R. Pitt,
and L. Huang L796
- Development of intrinsic tone in isolated pulmonary arterioles
Q. Liu and J. T. Sylvester L805
- Extracellular matrix deposition by primary human lung fibroblasts in response
to TGF- β 1 and TGF- β 3
O. Eickelberg, E. Köhler, F. Reichenberger, S. Bertschin, T. Woodtli, P. Erne,
A. P. Perruchoud, and M. Roth L814
- Phenotypic control of gap junctional communication by cultured alveolar epithelial cells
V. Abraham, M. L. Chou, K. M. DeBolt, and M. Koval L825
- Neutrophil elastase increases MUC5AC mRNA and protein expression in respiratory
epithelial cells
J. A. Voynow, L. R. Young, Y. Wang, T. Horger, M. C. Rose, and B. M. Fischer L835
- Inhibition of β -adrenergic-dependent alveolar epithelial clearance by oxidant
mechanisms after hemorrhagic shock
K. Modelska, M. A. Matthay, L. A. S. Brown, E. Deutch, L. N. Lu,
and J. F. Pittet L844
- Differential expression of VEGF mRNA splice variants in newborn and adult hyperoxic
lung injury
R. H. Watkins, C. T. D'Angio, R. M. Ryan, A. Patel, and W. M. Maniscalco L858
- Genetic disruption of atrial natriuretic peptide causes pulmonary hypertension
in normoxic and hypoxic mice
J. R. Klinger, R. R. Warburton, L. A. Pietras, O. Smithies, R. Swift,
and N. S. Hill L868
- Postnatal maturation of carotid body and type I cell chemoreception in the rat
O. S. Bamford, L. M. Sterni, M. J. Wasicko, M. H. Montrose, and J. L. Carroll L875

RAPID COMMUNICATION

- Angiotensin II induces apoptosis in human and rat alveolar epithelial cells
R. Wang, A. Zagariya, O. Ibarra-Sunga, C. Gidea, E. Ang, S. Deshmukh, G. Chaudhary, J. Baraboutis, G. Filippatos, and B. D. Uhal L885
- No. 6. JUNE 1999
- Effect of FK506 on ATP-induced intracellular calcium oscillations in cow tracheal epithelium
S. Kanoh, M. Kondo, J. Tamaoki, H. Shirakawa, K. Aoshiba, S. Miyazaki, H. Kobayashi, N. Nagata, and A. Nagai L891
- Reactive oxygen intermediates stimulate interleukin-6 production in human bronchial epithelial cells
Y. Yoshida, M. Maruyama, T. Fujita, N. Arai, R. Hayashi, J. Araya, S. Matsui, N. Yamashita, E. Sugiyama, and M. Kobayashi L900
- Acute hypoxia increases alveolar macrophage tumor necrosis factor activity and alters NF- κ B expression
S. K. Leeper-Woodford and K. Detmer L909
- SP-A 3'-UTR is involved in the glucocorticoid inhibition of human SP-A gene expression
R. R. Hoover and J. Floros L917
- NO causes perinatal pulmonary vasodilation through K⁺-channel activation and intracellular Ca²⁺ release
C. B. Saqueton, R. B. Miller, V. A. Porter, C. E. Milla, and D. N. Cornfield L925
- Respiratory epithelial cells demonstrate lactoferrin receptors that increase after metal exposure
A. J. Ghio, J. D. Carter, L. A. Dailey, R. B. Devlin, and J. M. Samet L933
- Bleomycin stimulates lung epithelial cells to release neutrophil and monocyte chemotactic activities
E. Sato, S. Koyama, T. Masubuchi, A. Takamizawa, K. Kubo, S. Nagai, and T. Izumi L941
- Cholinomimetic action of macrolide antibiotics on airway gland electrolyte secretion
T. Irokawa, T. Sasaki, S. Shimura, K. Sasamori, T. Oshiro, M. Nara, T. Tamada, and K. Shirato L951
- Segmental microvascular permeability in ischemia-reperfusion injury in rat lung
P. L. Khimenko and A. E. Taylor L958
- Role of alveolar epithelial cell intercellular adhesion molecule-1 in host defense against *Klebsiella pneumoniae*
A. D. O'Brien, T. J. Standiford, K. A. Bucknell, S. E. Wilcoxon, and R. Paine III L961
- Expression of the Na⁺/H⁺ and Cl⁻/HCO₃⁻ exchanger isoforms in proximal and distal human airways
P. K. Dudeja, N. Hafez, S. Tyagi, C. A. Gailey, M. Toofanfar, W. A. Alrefai, T. M. Nazir, K. Ramaswamy, and F. J. Al-Bazzaz L971
- Silica-induced chemokine expression in alveolar type II cells is mediated by TNF- α -induced oxidant stress
E. G. Barrett, C. Johnston, G. Oberdörster, and J. N. Finkelstein L979
- Regulation of endothelial cell myosin light chain kinase by Rho, cortactin, and p60^{src}
J. G. N. Garcia, A. D. Verin, K. Schaphorst, R. Siddiqui, C. E. Patterson, C. Csontos, and V. Natarajan L989
- Brief 95% O₂ exposure effects on surfactant protein and mRNA in rat alveolar and bronchiolar epithelium
T. F. Allred, R. R. Mercer, R. F. Thomas, H. Deng, and R. L. Auten L999
- Mechanisms regulating cAMP-mediated growth of bovine neonatal pulmonary artery smooth muscle cells
A. Guldemeester, K. R. Stenmark, G. H. Brough, and T. Stevens L1010
- Inhibition of gap junction communication in alveolar epithelial cells by 18 α -glycyrrhetic acid
Y. Guo, C. Martinez-Williams, K. A. Gilbert, and D. E. Rannels L1018

- A novel developmentally regulated gene in lung mesenchyme: homology
to a tumor-derived trypsin inhibitor
*F. Kaplan, P. Ledoux, F. Q. Kassamali, S. Gagnon, M. Post, D. Koehler,
J. Deimling, and N. B. Swezey*

L1027

- Effects of a perfluorochemical emulsion on the fate of circulating
Pseudomonas aeruginosa
J. D. Brain, R. M. Molina, M. M. DeCamp, and A. E. Warner

L1037

RAPID COMMUNICATION

- Antisense oligonucleotides against the α -subunit of ENaC decrease lung epithelial
cation-channel activity
L. Jain, X.-J. Chen, B. Malik, O. Al-Khalili, and D. C. Eaton

L1046

